Title (en)

Architecture for creating and maintaining virtual servers on a server

Title (de)

Architektur zur Erzeugung und Erhaltung von virtuellen Servern auf einem Server

Title (fr)

Architecture pour créer et maintenir des serveurs virtuels sur un serveur

Publication

EP 1329812 B1 20110713 (EN)

Application

EP 02258948 A 20021224

Priority

US 3566401 A 20011228

Abstract (en)

[origin: EP1329812A2] An architecture provides the ability to create and maintain multiple instances of virtual servers, such as virtual filers (vfilers), within a server, such as a filer. A vfiler is a logical partitioning of network and storage resources of the filer platform to establish an instance of a multi-protocol server. Each vfiler is allocated a subset of dedicated units of storage resources, such as volumes or logical sub-volumes (qtrees), and one or more network address resources. Each vfiler is also allowed shared access to a file system resource of a storage operating system. To ensure controlled access to the allocated and shared resources, each vfiler is further assigned its own security domain for each access protocol. A vfiler boundary check is performed by the file system to verify that a current vfiler is allowed to access certain storage resources for a requested file stored on the filer platform.

IPC 8 full level

G06F 9/50 (2006.01); **G06F 12/00** (2006.01); **G06F 9/46** (2006.01); **H04L 29/06** (2006.01); **H04L 29/08** (2006.01)

CPC (source: EP US)

H04L 63/10 (2013.01 - EP US); **H04L 63/104** (2013.01 - EP US); **H04L 67/10** (2013.01 - EP US); **H04L 69/329** (2013.01 - EP US); H04L 63/0807 (2013.01 - EP US)

Cited by

CN112385218A; US8782232B2; US8645550B2; US8924575B2; US9069791B2; US9305017B2; US9679156B2; US9697379B2

Designated contracting state (EPC)

DE FR GB IT NL

DOCDB simple family (publication)

EP 1329812 A2 20030723; **EP 1329812 A3 20070411**; **EP 1329812 B1 20110713**; JP 2003223346 A 20030808; JP 2010092475 A 20100422; JP 4726982 B2 20110720; US 2003191810 A1 20031009; US 2003195942 A1 20031016; US 2008281967 A1 20081113; US 7269696 B2 20070911; US 7360034 B1 20080415; US 7647461 B2 20100112; US 8782232 B2 20140715

DOCDB simple family (application)

EP 02258948 A 20021224; JP 2002379209 A 20021227; JP 2009229467 A 20091001; US 16532308 A 20080630; US 3566401 A 20011228; US 40839903 A 20030407; US 41006403 A 20030409